

RADIOMEN OF OUR ARMED FORCES AND MARITIME SERVICE

18th Anniversary Dinner-Cruise, February 11, 1943 Veteran Wireless Operators Association,



	LETTERS	OPTIONAL LETTERS	PUNCTUA AND OTHER	
A		ä	Period	
В		á or å	Comma	
C		ch é	Colon	
D		ñ	Question mark	
E		ö	Apostrophe	
F G	No. 10 10 10	Ü	Hyphen	
Н		FIGURES	Fraction	
		2	bar	
		3	Brackets	
K		4	Double hyphen	
L		5 6	Underline	
M	业 等分的。	7	Understood	
N		8	Error	
0		9	End of	
P		0	message	
Q		FIGURES IN ROUTINE REPETITIONS	Invitation to transmit	
R		1		
S		2	Wait	
T		3	End of work	
	in a line of	4 5	Starting signal	
V		6	The state of the s	
W		7	Separation signal	i
X		8	*Semicolon	
Y		9	*Quotation	
Z		0-	mark	

INTERNATIONAL

FLAG SIGNALS

Undergoing speed trial

Taking on or discharging

explosives

Yes (Affirmative)

Keep clear, I am maneuvering

with difficulty

Directing course to

starboard

Disabled, communicate

I require a pilot

I have a pilot on board

Directing course to port

Stop your vessel instantly

to communicate

About to sail AT SEA: Your lights are out

Vessel healthy, I request free pratique

Way is off my ship; you may feel your way past

Going full speed astern

You are standing into danger

Stop your intentions and

I am carrying mails

Numerals and punctuation marks are the same in the codes for all languages. *Not official but in general use.

GREEK

Epsilon

Kappa

Lambda

HY ... Eta Ypsilon

YI ____ Ypsilon lota

Al Alpha lota

AY ... Alpha Ypsilon

EY ____ Epsilon Ypsilon

OI --- Omicron lota

Ida

Mary

Newyork

Boston

Chicago

Denver

Edward

Frank

POSTAL TELEGRAPH — WESTERN UNION PHONETIC ALPHABET

Ocean

Peter

Robert

OY ... Omicron Ypsilon

Zeta

GREEK MORSE LETTER SYMBOL RUSSIAN

B

G

M

N

0

TS

SHCH

Mute

YA

Union Victor

William

Xray

Young

RUSSIAN MORSE

E,3 .

"Z" SIGNALS nark is omitted. These signals are used on its throughout the world.

Please observe and furnish frame code

We have checked (transmitter call-letters) Signals are radiating on air ok.

We have been unable to break you. We do not get your breaks, we send twice.

	OMMERCIAL anals take the form of advices when question	on mark is	omitted. These signals are used on
	commercial radiotelegraph c		
ZAL	Alter your wavelength.	ZTA	Transmit by auto.
ZHC	How are your receiving conditions?	ZBY	Break, go back yard. (Metre.)
ZAN	We can receive absolutely nothing.	ZBN	Break and go ahead with new slip.
ZSU	Your signals are unreadable.	ZPR	Rerun slip at present running.
ZWR	Your signals weak but readable.	ZRL	Rerun slip before one now running.
ZSR	Your signals strong readable.	ZPP	Punch plain only.
ZGF	signals good forw.p.m.	ZFB	Signals are fading badly.
ZGS	Your signals getting stronger.	ZFA	Failing auto.
ZGW	Your signals getting weaker.	ZRA	Reversed auto tape.
ZVS	Signals varying in intensity,	ZYS	What is your speed of transmission?
ZSH	Static heavy here.	ZSV	Your speed varying.
ZLS	We are suffering from a lightning storm.	ZBS	Your signals blurring.
ZWC	Wipers or clicks here.	ZDH	Your dots are too heavy (long), adju- lighter.
ZVP	Send V's please.	ZDL	Your dots are too light (short), adjust heavier.
ZWO	Send words once.	ZDM	Your dots missing.
ZWT	Send words twice.	ZDV	Your dots varying length, please remedy.
ZCT	Send code twice.	ZFS	Signals are fading slightly.
ZPO	Send plain once.	ZTH	Transmit by hand.
ZPT	Send plain twice.	ZHS	Send high speed autow.p.n
ZCD	Your collation is different.	ZSO	Transmit slips once.
ZCO	Your collation omitted.	ZST	Transmit slips twice.
ZSF	Send faster.	ZOR	Transmit revs continuously.
ZSS	Send slower.	ZLB	Give long breaks, please.
ZRO	Are you receiving ok?	ZUB	We have been unable to break you.
ZOK	We are receiving ok.	ZNB	We do not get your breaks, we sen twice.
ZIR	Your transmitter has strong idle radia-	ZLD	We are getting long dash from you.
ZRC	tion.	ZAP	Acknowledge, please.
	Can you receive code?	ZMQ	Stand bi for
ZNG	Receiving conditions no good for code.	ZMO	Stand bi moment.
ZNN	All clear of traffic.	ZKQ	Say when ready to resume.
ZHY	We are holding your	ZOH	What traffic have you on hand?
ZCS	Cease sending.	ZVF	Signals varying in frequency.
ZMP	Mispunch or perforator failures.		Please observe and furnish frame cod
ZCW	Are you in direct communication with	ZFF	(call-letters and frequency) kilocycle
	How are your conditions for auto re-	ZOA	We have checked (transmitter call-le ters) Signals a
ZHA	ception?	LUA	radiating on air ok.

ZUA Our conditions unsuitable for undulator or automatic recording.

AERONAUTICAL "Q" SIGNALS cations by Authority of the FCC.

QAA	At what time do you expect to arrive at?	QBC	Can you transmit to me the meterological observation at present made by
QAB	Are you making for?	OBF	you from the aircraft? I am about to wind in my aerial.
	Are you returning to?		Are you flying in cloud?
QAD	At what time did you leave	ANNUAL SACA	Are you flying above cloud?
QAE	Have you news of (call sign of the aircraft station)?	QBH	Are you flying below cloud?
	At what time did you pass?	QBI	The bad visibility regulations are i
QAG	Arrange your flight in order to arrive at (time) at (place). OR I am arranging my flight in order to	QBJ	At what height is the upper limit of cloud?
	arrive at (time) at	QBM	Has sent any message for me
QAH	What is your height?	QBN	Are you flying between two layers
QAI	Has any aircraft been signalled in my	QBT	You are missing your dots.

QAJ vicinity?

Shall I try to search for an aircraft in my vicinity (or by any other indication)? OR Shall I try to search for aircraft
in my vicinity (or by any other indication)?

QAK Is another aircraft flying in my vicinity, involving a risk of collision? OR
Is aircraft flying in my vicinity involving a risk of collision? QAL Are you going to land at? QCM There seems to be a defect in your QCP Your note is bad. (place of observation)?

QAN Can you give me the latest meteorological report concerning surface wind for ... (place of observation)?

QAO Can you give me the latest meteorological report concerning upper wind for ... (place of observation)?

QAP Shall I listen for you (or for) on kilocycles (or metres)?

QAQ Am I in the vicinity of a prohibited area (name of the prohibited area)?

QAR May I stop listening on the watch wave for minutes?

QAS You are flying over a prohibited area or over prohibited area (name of prohibited area) (name of prohibited area)

QAT Shall I continue to send?

QDK Answer in the alphabetical order of the call signs.

QDL Do you intend to ask me for a series of bearings?

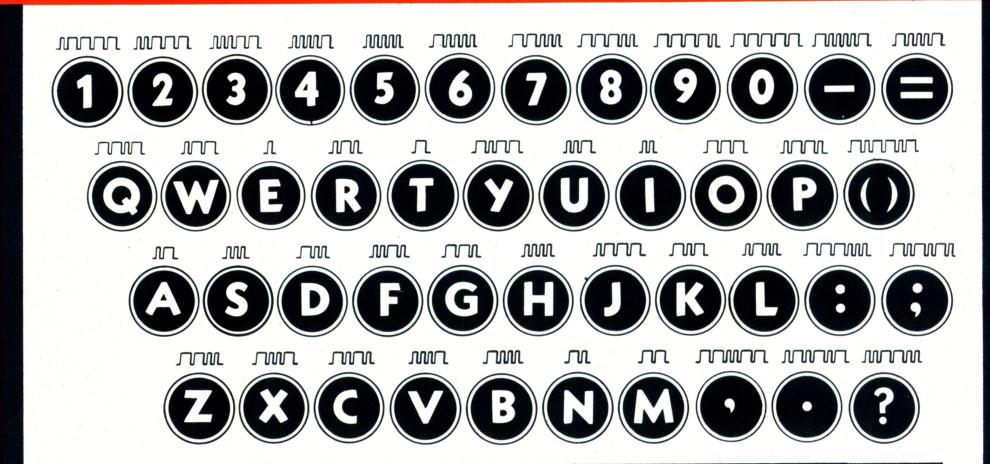
QDM What is the magnetic course to steer with no wind to make for you or for QAT Shall I continue to send? QAX Have you in your aircraft the following person for whom I have a waiting radiotelegram? (Here follows the designation of the person as it appears in the address of the radiotelegram: name and qualifications).

QAZ Are you flying in a thunderstorm? QBA What is the visibility at (place)?

QDO Can you have transmitted by
station, on its working wave (or on the wave), its call sign followed by a prolonged dash for
minutes, in order to permit me to use my aircraft D/F installation? QBB What is the height of the cloud base at QDR What is my magnetic bearing in relation to you or to? (Complete code available on request)

Local receiving conditions poor; pleas increase to maximum. Certain other codes and signals are omitted because of present day restrictions.

THE McELROY METHOD FOR TRANSCRIPTION OF RADIO TELEGRAPH SIGNALS



Typists can learn to transcribe inked slip at high speed in 4 to 6 weeks. Use G15FL set of practice tapes and associated equipment with this chart.



AMERICAN MORSE

First Record 56 wpm. Boston 1922 Latest Official Record

77 wpm. Ashville 1939

SEMAPHORE

CODE

(Also Alphabetical Sign)

A		1.		Parenthesis ((
B					
C		2.			
D		3.		Quotation	
E				End of	
F		4.		quotation	
G		_			
Н		5 _		Colon dash	
1		6.		Capitalized	
J				letter	
K		7 -		Small letter	v4
L	-	8 _			
M		77 : T		Colon followed	
0		9_			
P				Semicolon	
Q		0 -		Paragraph	400
R					
S		Period		Apostrophe	
T		Comma		Dollar	
U					
٧		Hyphen		Cents	
W		Question		Pound	
X		mark		Sterling	
Y		Exclamation		Shilling	
Z		mark		Jilling	
•					

Punctuation composed by Walter P. Phillips in 1876. He also made a compilation of few letter abbreviations of about 2000 commonly used words. This "Phillips Code" is used by newspaper telegraphers.

Percent

	ARA	BIC	TURKISH
ARABIC LETTER	MORSE SYMBOL		Α
1		Alif	В
<u>ب</u>		Ва	
ت	_	Ta	c
ب ت ث		Tha	Ģ
3		Jeem	D
8		Ha	E.
6 20 20 3		Kha	F
		Dal	G
ن		Dhal	н
>		Ra	
ز		Zay	J
5		Seen	
ڪ		Sheen	К
8		Sad	L
ص		Dad	M
ط		Та	N
ظ		Za	0
3		Ain	0 Ö
غ		Ghain	P
ن		Fa	R
ででいいらり していい してい してい してい してい してい してい して		Qaf	S
ال	Y	Kaf	
J		Lam	\$ T -
٢		Meem	I -

Noon

----- Lam-Alif

	PHONETIC	ALPHABET	
Able (Affirm)* Baker Charlie (Cast)* Dog Easy Fox George	How (Hypo)* Item (Inter)* Jig King Love Mike Nan (Negat)*	Oboe (Option)* Peter (Prep)* Queen Roger Sugar (Sail)* Tare Uncle (Unit)*	Victor William Xray Yoke Zebra (Zed)

JAPANESE MORSE

		(SOME	TIMES REFE	RRED TO AS	KATA KAN	A RADIO C	ODE)		
A	KA	SA	TA	NA	НА	MA	YA	RA	WA
P	カ	Ħ	タ	ナ	/\	7	ヤ	ラ	ワ
1	KI	SI	TI	NI	НІ	MI	<u></u>	RI	(W)I
1	+	ij	チ	=	Ł	:	1	IJ	ヰ
U	KU	SU	TU	NU	HU	ΜŪ	YU	RU	U
ウ	ク	ス	"	Z	フ	4	ב	ル	ゥ
E	KE	SE	TE	NE	HE	ME	E	RE	(W)E
Ī	ケ	セ	テ	ネ	^	×	I	レ	P
0	КО	so	ТО	NO	НО	МО	YO	RO	wo
オ	٦	ソ	h	1	ホ	Ŧ	B		ヲ
N	NIGORI	HAN-NIGORI	HYPHEN	PERIOD	BRACKETS	QUOTES	paragraph	QUESTION MARK 7	
•		•							

GOVERNMENT PRESCRIBED PRINTING

(FOR CO		SES AT FIELD ST	TATIONS
A	J	S	1
B	K	T	2
G	4	U	3
D	M	V	4 5
己	N	W	6
F	O	X	7
G	P	Y	8
H	Q	2	2
1	R		Ø

ON MARK IS OMITTED)

			'Q" SIGNALS
	(THE SIGNALS TAKE	THE FO	RM OF ADVICES WHEN THE QUESTIO
	Originally developed for ship r	adiotele	graph communications, they are now use
RA	What is the name of your station?	QRZ	Who is calling me?
RB	How far approximately are you from my station?	QSA	What is the strength of my signals (1 to 5)?
RC	What company (or State Administration) settles the accounts for your station?	QSB	Does the strength of my signals vary?
RD	Where are you bound and where are you	QSD	Is my keying correct; are my signals distinct?
	from? Will you tell me my exact frequency (wave-	QSG	Shall I sendtelegrams (or one telegram) at a time?
RG	length) in kc/s (or m)?	QSJ	What is the charge per word for
RH	Does my frequency (wavelength) vary?	QSK	Shall I continue with the transmission of all my traffic, I can hear you through my signals?
(RI	Is my note good?	QSL	Can you give me acknowledgment of receipt?
(RJ	Do you receive me badly? Are my signals weak?	QSM	Shall I repeat the last telegram I sent you?
RK	What is the readability of my signals (1 to 5)?	QSO	Can you communicate with direct (or through the medium of)?
RL	Are you busy?	QSP	Will you retransmit tofree of charge?
RM	Are you being interfered with?	QSR	Has the distress call received frombeen cleared?
RN	Are you troubled by atmospherics?	QSU	Shall I send (or reply) onkc/s (or m) and/or on waves of type A1, A2, A3, or B?
RO	Shall I increase power?	QSV	Shall I send a series of VVV?
RP	Shall I decrease power?	QSW	Will you send onkc/s (orm) and/or on waves of type A1, A2, A3 or B?
RQ	Shall I send faster?	QSX	Will you listen for(call sign) onkc/s (orm)?
RS	Shall I send more slowly?	QSY	Shall I change to transmission onkc/s (orm) without changing the type of
RT	Shall I stop sending?		wave? OR Shall I change to transmission on another wave?
RU	Have you anything for me?	QSZ	Shall I send each word or group twice? Shall I cancel telegram Noas if it
		QTA	had not been sent?

QRV Are you ready?

QRY What is my turn?

QRX Shall I wait? When will you call me again?

QIA had not been sent? QTB Do you agree with my number of words?

sed in all radiotelegraph services. Will you give me the position of my station ac-cording to the bearings taken by the direc-tion-finding stations which you control? Will you send your call sign for fifty seconds followed by a dash of ten seconds on kc/s (or.....m) in order that I may take your bearing? QTH What is your position in latitude and longitude (or by any other way of showing it)? QTJ What is your speed? QTM Send radioelectric signals and submarine sound signals to enable me to fix my bearing and my distance. QTO Have you left dock (or port)?

U ...

QTP Are you going to enter dock (or port)? QTU What are the hours during which your station is open? QUB Can you give me in this order, information concerning: visibility, height of clouds, ground wind for (place of observation)? QUC What is the last message received by you from(call sign of the mobile station)?

QUD Have you received the urgency signal sent by(call sign of the mobile station)? QUF Have you received the distress signal sent by (call sign of the mobile station)? QUG Are you being forced to alight in the sea (or to land)? QUJ* Will you indicate the true course for me follow, with no wind, to make for you? QUK Can you tell me the condition of the sea observed at..........(place or co-ordinates)?



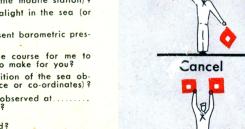






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URING CORPOR



Repeat

Numerical Sign

ART DIRECTION FRED STERN